

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A coupling device for liquid-tight coupling of at least one liquid line to a fluidic system, said coupling device comprising:

at least one sealing device having at least one bushing adapted to receive an end region of the at least one liquid line and having a first sealing surface adapted to contact an external surface of the fluidic system, an end of the at least one liquid line being laterally enclosed by the first sealing surface and pointing toward an opening in the external surface, and

a clamping device having at least one hollow plunger forming a receptacle for at least a part of the at least one bushing, wherein the clamping device is adapted to press the bushing onto the fluidic system without the clamping device contacting the fluidic system, so that the first sealing surface produces a liquid-tight connection with the external surface,

wherein the at least one hollow plunger is situated so as to be movable in relation to the external surface, the at least one bushing has an external shape adapted to interact with an internal shape of the at least one hollow plunger of the clamping device in such a way that a force directed toward the external surface of the fluidic system is exerted on the at least one bushing using the at least one hollow plunger, and the at least one bushing has a projection forming the first sealing surface and an engagement surface for the clamping device.

2. (Previously Presented) The coupling device according to Claim 1, wherein the at least one hollow plunger forms a conical or a cylindrical receptacle for the at least one bushing.

3. (Previously Presented) The coupling device according to Claim 2, wherein the at least one bushing has a conical external shape.

4. (Canceled).

5. (Previously Presented) The coupling device according to Claim 1, wherein the at least one bushing has an internal hollow channel adapted for removably receiving the end region of the at least one liquid line, the internal hollow channel forming a second sealing surface and the at least one sealing device being able to be pressed against the end region of the at least one

liquid line using the hollow plunger in such a way that the second sealing surface produces a liquid-tight connection with the surface of the end region.

6. (Previously Presented) The coupling device according to Claim 5, wherein the internal hollow channel has a cylindrical internal shape.

7. (Previously Presented) The coupling device according to Claim 1, wherein the first sealing surface is larger than a cross-sectional area of the end of the at least one liquid line.

8. (Previously Presented) The coupling device according to Claim 1, wherein multiple bushings are provided on the at least one sealing device, the multiple bushings forming at least one sealing unit and being adapted to couple multiple liquid lines to the fluidic system simultaneously.

9. (Previously Presented) The coupling device according to Claim 8, wherein the bushings of the sealing device are connected to one another in rows or in a matrix in the at least one sealing unit.

10. (Previously Presented) The coupling device according to Claim 9, wherein the at least one sealing unit forms a sealing mat, from which the bushings project.

11. (Previously Presented) The coupling device according to Claim 8, wherein the clamping device comprises a fluidic block, in which hollow plungers are formed in accordance with an arrangement of the bushings of the at least one sealing unit.

12. (Previously Presented) The coupling device according to Claim 8, further comprising a holding plate permanently connected with the fluidic system and arranged for positioning the at least one sealing unit on the fluidic system.

13. (Previously Presented) The coupling device according to Claim 12, wherein the fluidic block is arranged to be pressed onto the holding plate using a bayonet connector.

14. (Currently Amended) A fluidic system comprising a chip body, to which at least one liquid line is connected ~~using~~by a coupling device according to Claim 1.

15. (Previously Presented) The fluidic system according to Claim 14, wherein the chip body has an external surface, the external surface being planar at least in some sections and having at least one opening adjoined to a line end of the at least one liquid line.

16. (Previously Presented) The fluidic system according to Claim 15, wherein the line end of the at least one liquid line has a cylindrical external shape.

17. (Previously Presented) The fluidic system according to Claim 14, which comprises a fluidic microsystem.

18. (Previously Presented) A method for liquid-tight coupling of at least one liquid line to a fluidic system using a coupling device according to Claim 1, said method comprising:

forming a composite of the at least one liquid line with one bushing of the at least one sealing device, respectively, the clamping device, and the fluidic system, and

actuating the clamping device to produce a contact pressure on the projection of the bushing in such a way that the sealing device forms the liquid-tight connection with the external surface of the fluidic system.

19. (Previously Presented) The method according to Claim 18, wherein, to produce the composite, the end region of the at least one liquid line is plugged into a bushing of the at least one sealing device, which was previously positioned with the clamping device on the fluidic system, so that the end of the at least one liquid line points toward an opening in the external surface of the fluidic system.

20. (Previously Presented) The method according to Claim 18, wherein, to produce the composite, the end region of the at least one liquid line is plugged into a bushing of the sealing device, which is subsequently connected to the clamping device and positioned on the fluidic system, so that the end of the at least one liquid line points toward an opening in the external surface of the fluidic system.

21. (Previously Presented) The method according to Claim 18, wherein the contact pressure is exerted by closing a bayonet connector between the clamping device and the fluidic system.